MCR is Life! Name_____ ID: 12

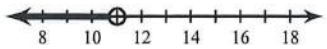
1.7 Inequalities Test

Date_____ Period____

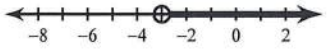
Solve each inequality and graph its solution.

1) $x - 7 > 4$

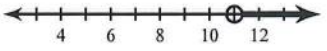
A) $x < 11$:



B) $x > -3$:



C) $x > 11$:

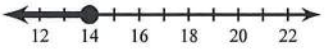


D) $x < -3$:

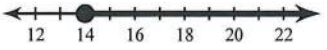
2) $6n \le 84$

A) $n \ge 14$:

B) $n \le 14$:



C) $n \ge 14$:



D) $n \ge 504$:

3) $100 \ge 10b + 10$

A) $b \le -26$:

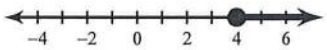
B) $b \ge 6$:

C) $b \le 9$:

D) $b \ge -26$:

4) $-10 + 7n \ge 18$

A) $n \ge 4$:



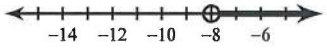
B) $n \le 10$:

C) $n \le -23$:

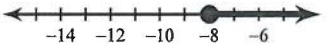
D) $n \ge 10$:

5) $n - 4 - 2n \ge 0$

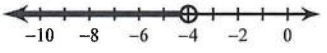
A) $n \le -8$:



B) $n \ge -8$:



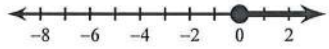
C) $n \ge -4$:



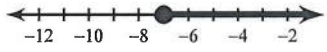
D) $n \le -4$:

6) $1 - p \ge -2p + 1$

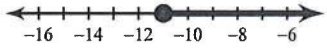
A) $p \ge 0$:



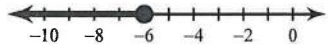
B) $p \ge -7$:



C) $p \ge -11$:

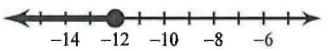


D) $p \ge -6$:

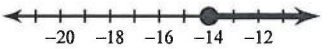


7) $3(1 - 4n) \ge -45$

A) $n \le -12$:

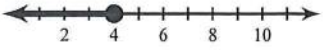


B) $n \ge -14$:



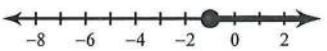
C) $n \ge -12$:

D) $n \le 4$:



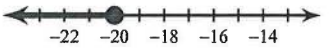
8) $12 - 4a \le 2a - 3(4a - 2)$

A) $a \ge -1$:



B) $a \le -10$:

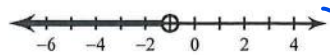
C) $a \le -20$:



D) $a \le -1$:

9) $-3(m - 1) + 2(1 - 3m) < -22$

A) $m > -1$:



B) $m > -3$:

C) $m > 3$:

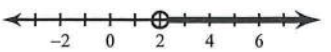
D) $m > 3$:

10) $4(x + 4) - 4 > -2(-x - 2)$

A) $x < 2$:

B) $x > -4$:

C) $x > 2$:



D) $x < -17$: